

Title (en)
Wheel motor device

Title (de)
Radmotorvorrichtung

Title (fr)
Dispositif de moteur de roue

Publication
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Application
EP 10150523 A 20080213

Priority
EP 08151379 A 20080213

Abstract (en)
A wheel motor device according to the present invention includes a hydraulic motor main body forming an HST in cooperation with the hydraulic pump main body, a motor shaft supporting the hydraulic motor main body in a relatively non-rotatable manner, a speed-reduction gear mechanism for reducing the speed of the rotational power output from the motor shaft, a first output member for outputting the rotational power whose speed has been reduced by the speed-reduction gear mechanism toward a corresponding first driving wheel, a casing accommodating the hydraulic motor main body and the speed-reduction gear mechanism, and a brake mechanism selectively and operatively applying a brake force to the first output member. The brake mechanism includes a brake shaft supported by the casing, a speed-increasing gear mechanism for increasing the speed of the rotational power output from the motor shaft and operatively transmitting the same to the brake shaft, and a brake unit for selectively and operatively applying the brake force to the brake shaft.

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Citation (search report)

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EP 2090453 A1 20090819; EP 2174816 A1 20100414; EP 2174816 B1 20120606; US 2009200858 A1 20090813; US 2012261201 A1 20121018; US 8459398 B2 20130611

DOCDB simple family (application)
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